

PATENTS
108047-0065
3123-516

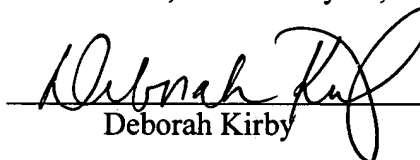
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of:)
Shao et al.)
Serial No.: 10/680,264) Examiner: n/a
Filed: October 7, 2003) Art Unit: 2184
For: SYMBOL LEVEL SOVA AND A)
SIMPLIFICATION ON SOVA)

Cesari and McKenna, LLP
88 Black Falcon Avenue
Boston, MA 02210
February 27, 2004

CERTIFICATE OF MAILING

I hereby certify that the following paper is being deposited with the United States Postal Service as first-class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on February 27, 2004.


Deborah Kirby

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

LETTER

Enclosed is an Associate Power of Attorney relating to the above-referenced patent application. We also request that the correspondence address for the above-identified patent application be changed to:

Patricia A. Sheehan
Cesari and McKenna, LLP
88 Black Falcon Avenue
Boston, MA 02210

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Please charge any fee occasioned by this paper to our Deposit Account No. 03-
1237.

Respectfully submitted,

A handwritten signature in cursive script, reading "Patricia A. Sheehan", written over a horizontal line.

Patricia A. Sheehan

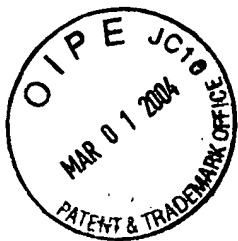
Reg. No. 32,301

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ASSOCIATE POWER OF ATTORNEY

Please recognize Michael E. Attaya, Reg. No. 31,731; Michael J. Badzinski, Reg. No. 51,425; Charles J. Barbas, Reg. No. 32,959; James M. Behmke, Reg. No. 51,448; James A. Blanchette, Reg. No. 51,477; John L. Capone, Reg. No. 41,656; Robert A. Cesari, Reg. No. 18,381; Duane H. Dreger, Reg. No. 48,836; A. Sidney Johnston, Reg. No. 29,548; Stephen E. Kabakoff, Reg. No. 51,276; William A. Loginov, Reg. No. 34,863; John F. McKenna, Reg. No. 20,912; Martin J. O'Donnell, Reg. No. 24,204; Thomas C. O'Konski, Reg. No. 26,320; Edwin H. Paul, Reg. No. 31,405; Michael R. Reinemann, Reg. No. 38,280; Robert E. Rigby, Jr., Reg. No. 36,904; Rita M. Rooney, Reg. No. 30,585; and Patricia A. Sheehan, Reg. No. 32,301, Cesari and McKenna, LLP, 88 Black Falcon Avenue, Boston, MA 02210, jointly, and each of them severally, as my associate attorneys, with full power of substitution, delegation and revocation, to prosecute the applications listed on attached Schedule A, to make alterations and amendments therein, to receive the patent and to transact all business in the Patent and Trademark Office connected therewith. Please direct all telephone calls to Patricia A. Sheehan at (617) 951-2500. Please address all correspondence to Patricia A. Sheehan.

Respectfully submitted,

Date 1/27/04

David M. Sigmond
Reg. No. 34,013

SCHEDULE A

<u>Serial No.</u>	<u>Filing Date</u>	<u>Title</u>
10/440,588	5/19/03	MULTIPLE READS ON DATA DETECTION
09/481,210	10/13/99	DETECTING ERRORS IN CODED BIT STRINGS
09/439,774	11/12/99	SHARED GALOIS FIELD MULTIPLIER
10/280,881	10/25/02	CONCAVE TRAILING EDGE WRITE POLE FOR PERPENDICULAR RECORDING
09/999,043	11/1/01	MASTER SOFT UNDER LAYER FOR PRINTING PERPENDICULAR MEDIA
10/136,153	5/1/02	PREMAGNETIZATION PROCESS FOR PRINTING LONGITUDINAL MEDIA
10/027,221	12/21/01	IMPROVED PRINTING LONGITUDINAL MEDIA BY PERPENDICULAR FIELD
10/253,763	9/24/02	ON SLIDER INDUCTORS AND CAPACITORS TO REDUCE ELECTROSTATIC DISCHARGE DAMAGE
10/269,159	10/11/02	MAGNETO BIAS CURRENT PERPENDICULAR TO PLANE GIANT MAGNETO RESISTIVE SENSOR
10/282,075	10/28/02	SOFT UNDERLAYER STRUCTURE FOR PERPENDICULAR RECORDING
10/408,650	4/7/03	INCREASING AREAL DENSITY IN MAGNETIC RECORDING MEDIA
10/694,328	10/27/03	ENCODING METHOD USING CODE VIOLATION POINTERS
10/454,326	6/4/03	ERROR RECOVERY STRAGETIES FOR ITERATIVE DECODERS
10/608,320	6/27/03	SIMPLE ERROR-CORRECTION CODES FOR DATA BUFFERS
10/680,264	10/7/03	SYMBOL-LEVEL SOVA AND A SIMPLICATION ON SOVA